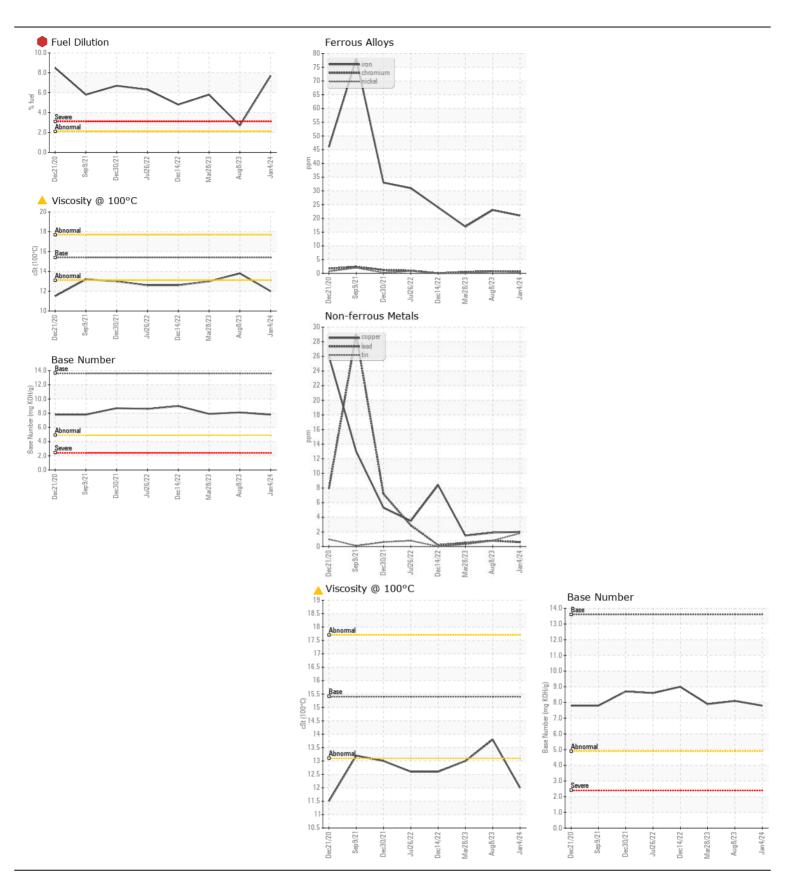
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL SEVERE ABNORMAL

JOHN DEERE 318G 1T0318GAPLJ386793

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0201463	,	JR0160598
We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		04 Jan 2024	08 Aug 2023	28 Mar 202
	Machine Age	hrs	Client Info		4115	3540	3058
	Oil Age	hrs	Client Info		575	482	422
	Filter Age	hrs	Client Info		575	482	422
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	ABNORMAL	ABNORMA
/EAR	Iron	ppm	ASTM D5185m		21	23	17
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		7	8	5
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		2	2	2
	Tin	ppm	ASTM D5185m	>4	2	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	14	15	13
ONTAMINATION	Potassium	ppm	ASTM D5185m		0	2	2
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Fuel	%	ASTM D3524		7.7	<u>2.7</u>	<u>∠</u> 5.8
	Water	, , ,	WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.9	0.9	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	12.0	12.1	11.3
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.5	27.4	25.3
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION							
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	6	3
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		136	126	181
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		238	252	234
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		751	852	730
	Calcium	ppm	ASTM D5185m		1255	1476	1356
	Phosphorus	ppm	ASTM D5185m		728	853	748
	Zinc	ppm	ASTM D5185m		942	1089	963
	Sulfur Oxidation	ppm Abs/.1mm	*ASTM D5185m	05	2564 24.9	3686 24.5	3096 22.9
			4 > 1 N/ 1 1 / 4 1 4	>/2	744	74.5	// Y
	Base Number (BN)				7.8	8.1	7.9







Certificate L2367

Laboratory Sample No. **Lab Number Unique Number**

: 06061869

: JR0201463 : 10833251

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 16 Jan 2024 Diagnosed : 18 Jan 2024 Diagnostician : Wes Davis

Test Package: CONST (Additional Tests: PercentFuel, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: Randy Warren randy.warren@jamesriverequipment.com

T: (528)667-0176 F: (828)667-4865 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

JRE - ASHEVILLE

101 BRUCE DRIVE

ASHEVILLE, NC

US 28806